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INTERNAL HIGH PRESSURE FORMING INSTALLATION

[0001] This application is a national phase application of International application PCT/EP2004/011070 filed October 5, 2004 and claims the priority of German application No. 103 48 895.2, filed October 15, 2003, the disclosure of which are expressly incorporated by reference herein.

BACKGROUND AND SUMMARY OF THE INVENTION

[0002] The invention relates to an internal high pressure forming installation and the related equipment and equipment operation.

[0003] An internal high pressure forming installation of the generic type is disclosed in US 5,235,836 and US 6,279,364 B1. The installation revealed therein has a corresponding, two-part forming tool, in the forming chamber of which a peripherally closed hollow profile is inserted. For sealing during the forming process, the installation has at each end an axial stamp in which, in addition, an axial through channel is formed via which the hollow profile is expanded by means of a pressurized fluid which is placed under high pressure. The installation furthermore contains a rapid filling device with a filling attachment. The filling attachment has a filling bore, the diameter of which is larger than that of the through channel and via which the hollow profile is filled in a position of the axial punch in which it is drawn back from the